# Halocarbon 1216 (Hexafluoropropylene) $C_3F_6$

| Grade | Chamber Clean 2N8 |
|---|---|
| Purity, % | 99.8 |
| Water | ≤20 ppmw |
| Other Fluorocarbons | ≤2000 ppmv |
| Acidity as HF | ≤5 ppmw |

- A lot analysis is provided for each order – Individual analysis is also available upon request.
- Pneumatic valves and JIS connections available upon request.

**CYLINDER**

| | | |
|---|---|---|
| Internal Volume | Liters | 43.8 |
| **Cylinder Sizes >>** | | **QF** |
| Content | kg | 45.4 |
| | lbs | 100 |
| Change Point* | lbs | 1.87 |

*Recommended Cylinder Change Point at NTP, based on Phase Break, or the amount of product left in the cylinder when the liquid phase has completely evaporated and only gaseous product is left (estimate based on ideal gas behavior).

**SHIP**

| | | |
|---|---|---|
| DOT Shipping Name | Hexafluoropropylene, compressed | Shipped as |
| DOT Classification | 2.2 (Non-Flammable Gas) | Liquefied Gas |
| DOT Label | NON-FLAMMABLE GAS | |
| UN Number | UN 1858 | |

**TECHNICAL DATA**

| | |
|---|---|
| Cylinder Pressure @NTP | 85 psig<br>7.0 atm |
| Specific Volume @NTP | 0.161 $m^3/kg$<br>2.58 $ft^3/lb$ |
| CAS No | 116-15-4 |
| CGA/DISS/JIS | 660/716/22-14R |
| Synonyms | FC1216 |
| Molecular Weight | 150.02 |

| | | |
|---|---|---|
| Critical Temperature | 94°C | 201°F |
| Critical Pressure | 29.6 atm | 94.7 psia |
| Vapor Pressure @ 25°C | 6.7 atm | 94.7 psia |

NTP = 21°C or 70°F and 101.3 kPa or 1 atm

| Cylinder | Treatment | Nominal Diameter (OD)xHeight* | | Material of Construction | |
|---|---|---|---|---|---|
| | | cm | Inches | Cylinder | Valve |
| QF | ULTRA-LINE® | 23x130/134/143 | 9x51/52.5/56 | CS | SS |

*Height is reported as the distance from the bottom of the cylinder to the cylinder neck/ center of the valve outlet/ top of the handwheel
CS: Carbon Steel SS: Stainless Steel

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